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Notice of Allowability	Application No.	Applicant(s)		
	10/738,397	JIN ET AL.		
	Examiner	Art Unit		
	Binh X. Tran	1765		
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS	
2. ☑ The allowed claim(s) is/are 1,3-6,8-14 and 16-23.				
3. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).	been received. been received in Application No		tion from the	
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the rea	quirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-9	948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			back) of	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 	sit of BIOLOGICAL MATERIAL m FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	E Nation of Informaci D	atant Annlication		
Notice of References Cited (PTO-992) Notice of Draftperson's Patent Drawing Review (PTO-948)	5. ☐ Notice of Informal Pa6. ☒ Interview Summary (• •		
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Date	w Summary (P10-413), No./Mail Date <u>20061120</u> er's Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allo	wance	
of Biological Material	9.			
	DUY-VU PRIMARY E		11/21/08	

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Loren Thompson on 11-20-2006.

The application has been amended as follows:

In the claims

In line 1 of claim 11, after the phrase "The method of" please delete the phrase "any of".

In line 1 of claim 12, after the phrase "The method of" please delete the phrase "any of".

In line 1 of claim 13, after the phrase "The method of" please delete the phrase "any of".

Allowable Subject Matter

- 3. Claims 1, 3-6, 8-14, 16-23 are allowed.
- 4. The following is an examiner's statement of reasons for allowance: The cited prior arts fail to disclose or suggest the step of forming successively a buffer layer, a spacer nitride film, and a spacer oxide film in combination with subjecting the entire upper portion of the substrate including the junction regions to a rapid thermal annealing

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process and all other limitation in the claims. The closest prior art Kim (US 2002/0192868) teaches the opposite layering configuration. Kim teaches to form an oxide layer (111) [buffer layer] on the top of the nitride layer (107).

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh X. Tran whose telephone number is (571) 272-1469. The examiner can normally be reached on Monday-Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Binh X. Tran

DUY-VU N. DEO PRIMARY EXAMINER

1/21/0B